

Title (en)
PRIORITY ACCESS TO A PRIORITY ACCESS CHANNEL

Title (de)
PRIORITÄTSZUGRIFF AUF PRIORITÄTSZUGANGSKANAL

Title (fr)
ACCÈS PRIORITAIRE À UN CANAL D'ACCÈS PRIORITAIRE

Publication
EP 3103303 B1 20190619 (EN)

Application
EP 15709789 A 20150220

Priority
• US 201461944447 P 20140225
• US 201414252460 A 20140414
• US 2015016730 W 20150220

Abstract (en)
[origin: US2015245277A1] Techniques for priority access to a priority access channel are described. In at least some embodiments, a portion of the radio spectrum is divided into general access (GA) channels and priority access (PA) channels. Levels of access to the different channels are controlled based upon priority levels of devices attempting to access the channels. For instance, embodiments employ a channel database that tracks available GA channels and PA channels, and notifies various devices of the available channels. The channel database may also track keys for PA channels that enable authentication of devices for priority access to PA channels. In at least some embodiments, tracking available GA channels and PA channels enables underutilized radio channels to be identified for various uses, such as for wireless broadband communication.

IPC 8 full level
H04W 74/08 (2009.01); **H04W 12/06** (2009.01); **H04W 12/04** (2009.01); **H04W 48/02** (2009.01); **H04W 48/18** (2009.01); **H04W 74/00** (2009.01)

CPC (source: CN EP KR RU US)
H04W 12/04 (2013.01 - CN EP RU US); **H04W 12/06** (2013.01 - CN EP RU US); **H04W 12/069** (2021.01 - KR); **H04W 12/082** (2021.01 - EP US); **H04W 48/02** (2013.01 - RU US); **H04W 48/18** (2013.01 - RU US); **H04W 74/004** (2013.01 - KR RU US); **H04W 74/08** (2013.01 - CN EP RU US); **H04W 74/0875** (2013.01 - KR); **H04W 76/38** (2018.02 - KR); **H04W 12/61** (2021.01 - EP US); **Y02D 30/70** (2020.08 - EP)

Citation (examination)
WO 2012150796 A2 20121108 - LG ELECTRONICS INC [KR], et al & US 2014126503 A1 20140508 - KIM EUNSUN [KR], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2015245277 A1 20150827; **US 9723541 B2 20170801**; AU 2015223377 A1 20160818; AU 2015223377 B2 20190502; CA 2939197 A1 20150903; CA 2939197 C 20220823; CN 106063307 A 20161026; CN 106063307 B 20190820; EP 3103303 A1 20161214; EP 3103303 B1 20190619; JP 2017510178 A 20170406; JP 6498686 B2 20190410; KR 102302638 B1 20210914; KR 20160125427 A 20161031; MX 2016011046 A 20161028; MX 356573 B 20180604; RU 2016134455 A 20180301; RU 2016134455 A3 20181012; RU 2688244 C2 20190521; US 10349444 B2 20190709; US 11057929 B2 20210706; US 2017303308 A1 20171019; US 2019289631 A1 20190919; WO 2015130558 A1 20150903

DOCDB simple family (application)
US 201414252460 A 20140414; AU 2015223377 A 20150220; CA 2939197 A 20150220; CN 201580010473 A 20150220; EP 15709789 A 20150220; JP 2016553836 A 20150220; KR 20167025674 A 20150220; MX 2016011046 A 20150220; RU 2016134455 A 20150220; US 2015016730 W 20150220; US 201715634565 A 20170627; US 201916420603 A 20190523